

Sunday, 4th December 2022 (13th Agrahayana 1944 Saka)

Summary of observations recorded at 0830 hours IST: A cyclonic circulation lay over south Andaman Sea and adjoining equatorial Indian ocean-Strait of Malacca which extended upto 5.8 km above m. s. l. in the morning. It persisted over the same region in the afternoon. Under its influence, a low pressure area is likely to form over southeast Bay of Bengal and adjoining south Andaman Sea by 5th December. It is likely to move west-northwestwards and concentrate into a Depression over Southeast Bay of Bengal by 7th December morning. Thereafter, it is likely to continue to move west northwestwards and reach southwest Bay of Bengal near north Tamil Nadu-Puducherry and adjoining south Andhra Pradesh coasts by 8th December morning. A trough in easterlies ran from Comorin area to north Kerala coast at 0.9 km above m. s. l. The western disturbance as a trough in middle and upper tropospheric westerlies with its axis at 5.8 km above m. s. l. ran roughly along Long. 70°E to the North of Lat. 25°N. System is likely to move east northeastward. A fresh feeble western disturbance likely to affect Western Himalayan Region from 7th December onwards.

Night temperatures were markedly above normal (5.1°C or more) at many places over Madhya Maharashtra and Marathwada; at a few places over Telangana; appreciably above normal (3.1°C to 5.0°C) at many places over coastal Andhra Pradesh, Yanam and Rayalaseema; at a few places over Vidarbha and Odisha; at isolated places over Saurashtra, Kutch, Tamil Nadu, Puducherry and Karaikal; above normal (1.6°C to 3.0°C) at most places over Chhattisgarh, Nagaland, Manipur, Mizoram, Tripura and north Interior Karnataka; at many places over Himachal Pradesh, Uttarakhand, east Uttar Pradesh, Konkan, Goa and coastal Karnataka; at a few places over Haryana, Chandigarh, Delhi, west Uttar Pradesh, east Madhya Pradesh, Bihar, south Interior Karnataka, Kerala and Mahe; at isolated places over west Rajasthan and west Madhya Pradesh. They were below normal (-1.6°C to -3.0°C) at a few places over Gangetic West Bengal; at isolated places over east Rajasthan and near normal over rest parts of the country. **Today, the lowest minimum temperature of 5.4°C is reported at Churu (West Rajasthan) over the plains of the country.**

Thunderstorm/Lightning observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Kerala, Mahe, Tamil Nadu, Puducherry, Karaikal and Lakshadweep.

Dense Fog observed (at 0830 hours IST of today): Dense to very dense fog in isolated pockets over Himachal Pradesh; Dense fog in isolated pockets over Odisha; Moderate fog in isolated pockets over Punjab, Delhi, Uttar Pradesh, Bihar, Jharkhand, East Rajasthan and Marathwada.

Visibility recorded (at 0830 hours IST of today) (in m): Sundernagar-25; Mandi and Koraput-200 each; Amritsar, Ludhiana, Patiala, Meerut, Delhi (Palam, Safdarjung), Ajmer, Fursatganj, Varanasi, Gaya, Jamshedpur and Aurangabad-500 each.

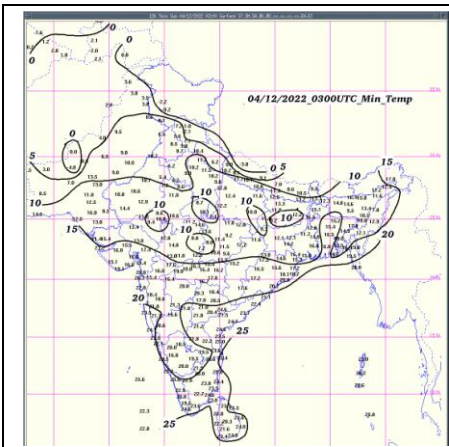


Fig.1a: Minimum temperature (°C)

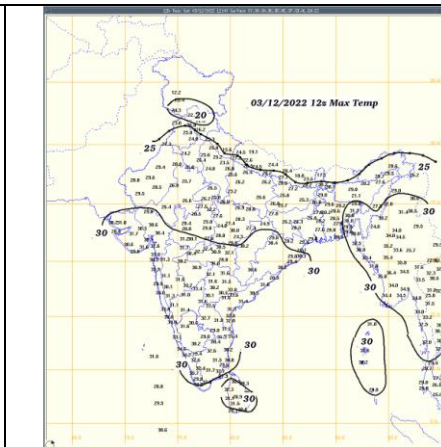


Fig.2a: Maximum temperature (°C)

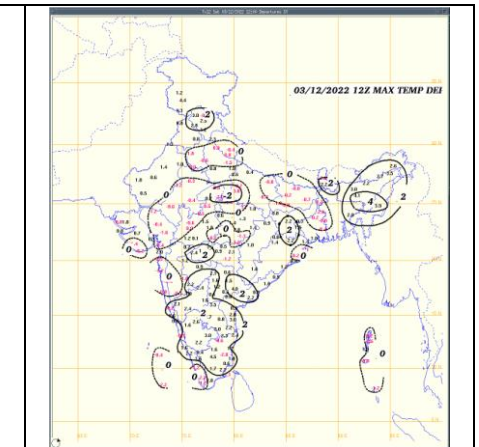


Fig.2b: Maximum temperature departure(°C)

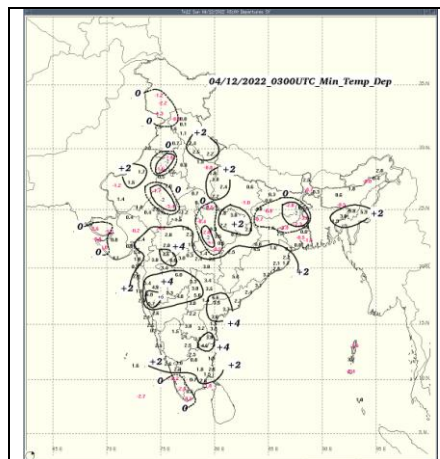


Fig.1b: Minimum temperature departure (°C)

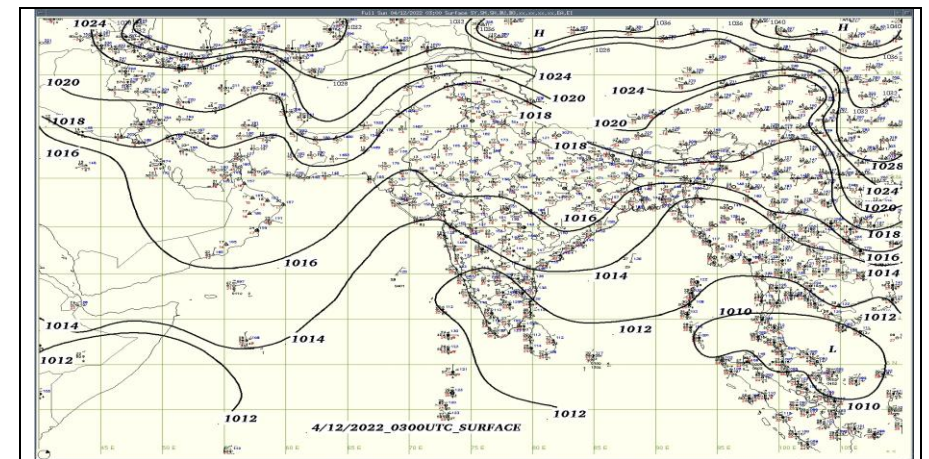


Fig.3: Analysed surface chart based on 03z observation

Indian Regions	Table 1. Realised rainfall (chief amount in cm during past 24 hrs)
East	dry weather: Arunachal Pradesh, Assam & Meghalaya, Nagaland-Manipur-Mizoram-Tripura, West Bengal & Sikkim, Odisha, Jharkhand and Bihar
North	dry weather: Uttar Pradesh, Uttarakhand, Haryana, Punjab, Himachal Pradesh, Jammu-Kashmir and Ladakh and Rajasthan
Central	dry weather: Madhya Pradesh, Vidarbha and Chhattisgarh
Peninsula	a few places: Tamil Nadu isolated places: coastal Andhra Pradesh, Telangana, Rayalaseema ♦ and Kerala+ dry weather: Gujarat State, Konkan & Goa, Madhya Maharashtra, Marathwada, coastal Karnataka and interior Karnataka Muvattupuzha ARG 7.5, Cherthala 4.1, Puducherry 4.0, Sirkali 3.9, Tirupuvanam 3.6, Sullurpeta 2.6, Kochi IAF 1.9, Chintapalle 0.8, Pebbair 0.4, Tirupati AP 0.1.
Islands	a few places: Lakshadweep isolated places: Andaman & Nicobar Nancowry & Minicoy 0.4 each.

Table 2. Forecast / warnings (distribution of rain / thundershowers) for 5 days (valid from time of origin upto 0830 hrs IST of next day)

Sr. No.	Sub-division Name	Day 1	Day 2	Day 3	Day 4	Day 5	Sr. No.	Sub-division Name	Day 1	Day 2	Day 3	Day 4	Day 5
		04 Dec	05 Dec	06 Dec	07 Dec	08 Dec			04 Dec	05 Dec	06 Dec	07 Dec	08 Dec
1	Andaman Nicobar Islands	W+ [☁]	W+ [☁]	W+	F	F	19	west Madhya Pradesh	D	D	D	D	D
2	Arunachal Pradesh	D	D	D	D	D	20	east Madhya Pradesh	D	D	D	D	D
3	Assam-Meghalaya	D	D	D	D	D	21	Gujarat Region	D	D	D	D	D
4	Nagaland-Manipur-Mizoram-Tripura	D	D	D	D	D	22	Saurashtra and Kutch	D	D	D	D	D
5	Sub Himalayan West Bengal/Sikkim	D	D	D	D	D	23	Konkan and Goa	D	D	D	D	D
6	Gangetic West Bengal	D	D	D	D	D	24	Madhya Maharashtra	D	D	D	D	D
7	Odisha	D	D	D	D	D	25	Marathwada	D	D	D	D	D
8	Jharkhand	D	D	D	D	D	26	Vidarbha	D	D	D	D	D
9	Bihar	D	D	D	D	D	27	Chhattisgarh	D	D	D	D	D
10	east Uttar Pradesh	D	D	D	D	D	28	Coastal Andhra Pradesh and Yanam	I	I	I	S [⚡]	F+ [⚡]
11	west Uttar Pradesh	D	D	D	D	D	29	Telangana	D	D	D	D	D
12	Uttarakhand	D	D	D	D	D	30	Rayalaseema	I	I	I	I	F+
13	Haryana, Chandigarh and Delhi	D	D	D	D	D	31	Tamil Nadu, Puducherry and Karaikal	S+	I	I	S [⚡]	F++ [⚡]
14	Punjab	D≡	D≡	D	D	D	32	Coastal Karnataka	I	D	D	D	D
15	Himachal Pradesh	D≡	D≡	D	D	I	33	North interior Karnataka	D	D	D	D	D
16	Jammu-Kashmir and Ladakh	D	D	D	D	I	34	South interior Karnataka	I	D	D	S	S [⚡]
17	west Rajasthan	D	D	D	D	D	35	Kerala and Mahe	S [⚡]	S	S	S [⚡]	S [⚡]
18	east Rajasthan	D	D	D	D	D	36	Lakshadweep	F+ [☁]	S	S	S	S

Legends: D = Dry I = Isolated S = Scattered F = Fairly widespread W = Widespread # = heavy to very heavy rain at a few places with extremely heavy rain at isolated places +++ = heavy rain at a few places with very heavy rain at isolated places ++ = heavy to very heavy rainfall
 + = heavy rain •/* = rain or snow ♦ = very light rain ≡ = fog ⚡ = thunderstorm with lightning ☁ = Squall / Gusty wind / strong wind / gale wind ⬇ = cold wave/cold day ⬆ = heat wave ⚡ = Duststorm SS = ground frost ⚡ = Hail

Fig. 4: Districtwise warnings for five days for Maharashtra State

<p>Charts not available due to technical reasons</p>	<p>Charts not available due to technical reasons</p>	<p>Charts not available due to technical reasons</p>
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Pune, Lohegaon and Pashan observations at 0830 hrs. IST of Today

	Temperature (°C)					Humidity (%)				Rainfall (mm)		
	Max. past 24 hrs	Dep. from normal	Min. past 24 hrs.	Dep. from normal	Dry Bulb	At 0830 hrs. IST	Dep. From normal	At 1730 hrs. IST of y'day	Dep. from normal	Past 24 hrs.	Since 1 st Oct.	Dep. from normal
PNE	31.1	1.4	18.4	5.8	20.6	95	17	56	14	0.0	303.5	199.5
PSN	29.5	-	18.8	-	20.2	91	-	69	-	0.0	229.5	-
LHG	30.9	0.9	19.7	6.7	22.4	77	15	53	21	0.0	121.6	43.3

Local (Pune and neighbourhood) forecast

Date	Max. / Min. Temperature (°C)						Weather
	Pune	Pashan	Lohegaon	Chinchwad	Lavale	Magarpatta	
04/12	32 / 18.4*	30 / 18.8*	32 / 19.7*	32 / 21.9*	32 / 21.5*	31 / 21.9*	Mainly clear sky, haze in morning hours.
05/12	32 / 18	31 / 19	32 / 20	32 / 22	32 / 21	31 / 22	Sunny day, haze in morning hours
06/12	32 / 16	31 / 17	32 / 18	32 / 20	33 / 19	32 / 20	Sunny day.
07/12	32 / 15	31 / 16	31 / 17	32 / 19	32 / 18	31 / 20	Mainly clear sky.
08/12	31 / 16	30 / 16	31 / 18	31 / 20	32 / 19	31 / 20	Partly cloudy sky
09/12	30 / 16	29 / 17	30 / 18	31 / 20	31 / 20	30 / 21	Partly cloudy sky becoming generally cloudy sky towards afternoon/evening.
10/12	30 / 16	29 / 17	29 / 18	30 / 21	31 / 20	30 / 21	Partly cloudy sky becoming generally cloudy sky towards afternoon/evening.

Mumbai (Colaba)				Nagpur (AP)		
Date	Tmax °C	Tmin °C	Weather	Tmax °C	Tmin °C	Weather
04/12	33	24	Partly cloudy sky.	31	15	Mainly clear sky.
05/12	32	22	Mainly clear sky.	30	14	Mainly clear sky.
06/12	32	21	Mainly clear sky.	29	13	Mainly clear sky.
07/12	33	20	Mainly clear sky.	28	12	Mainly clear sky.
08/12	33	22	Partly cloudy sky towards afternoon/evening.	28	12	Mainly clear sky.
09/12	31	24	Partly cloudy sky.	29	14	Mainly clear sky.
10/12	31	24	Partly cloudy sky.	29	15	Mainly clear sky.

Widespread (W)	76 - 100
Fairly widespread (F)	51 - 75
Scattered (S)	26 - 50
Isolated (I)	1 - 25
Dry (D)	No Rain
Probability Terms in %:	
unlikely	< 25
likely	between 25, 50
very likely	between 51, 75
most likely	>75

(1) Rainfall	Very light rain	trace to 2.4
	Light rain	2.5 to 15.5
	Moderate rain	15.6 to 64.4
	Heavy rain	64.5 to 115.5
	Very heavy rain	115.6 to 204.4
(2) Snowfall	Extremely heavy rain	≥ 204.5
	Heavy snow	6.5 to 11.5 cms water equivalent of rain
	Very heavy snow	11.6 to 20.4 cms water equivalent of rain